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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/721,574	11/25/2003	Sean Ziao-an Zhang	5649-2239	5789		
20792	7590	04/28/2009	EXAMINER			
MYERS BIGEL SIBLEY & SAJOVEC PO BOX 37428 RALEIGH, NC 27627				HALEY, JOSEPH R		
ART UNIT		PAPER NUMBER				
2627						
MAIL DATE		DELIVERY MODE				
04/28/2009		PAPER				

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 3/31/09 have been fully considered but they are not persuasive. Applicant argues on page 10 that Berner et al. does not teach rotatable molecular components because they do not show any 3 dimensional changes. The examiner maintains this rejection because as applicant admits in the arguments the molecules of Berner et al. form two types of two-dimensional structures; ordered and disordered. The switch between these two states is considered rotating between two states, making these molecules rotatable.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSEPH HALEY whose telephone number is (571)272-0574. The examiner can normally be reached on M-F 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joseph Haley/
Examiner, Art Unit 2627